Attorney's Docket No.

FOR UTILITY PATENT APPLICATION	ON					
	030681-354					
As a below-named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name; I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED: PERPENDICULAR MAGNETIC THIN FILM FOR ULTRAHIGH, DENSITY RECORDING						
the specification of which						
(check one)	is attached heroto; was filed on as					
- A	pplication No.					
ត្ ា	d was amended on; (if applicable)					
I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS. AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;						
I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);						
I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;						
I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:						

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COMBINED DECLARATION AND POWER OF ATTORNEY					Autorney's Docket No.			
					030681-3	54		
COUNTRY/INTERN	ATTONIAL							
COUNTRY/INTERNATIONAL		APPLICATION NUMBER			DATE OF FILING (day, month, year)		PRIORITY CLAIMED	
Rep. of Korea		2001-1352		10 J	anuary 2001	YESX	NO_	
						VEC	NO_	
I hereby appoint the follo and Trademark Office con applications directed to sa William L. Mathis	id invention;	in and to file, pros	secute and to t	ransact all	and to transact a	Il business in	Ab - Double	
Peter H. Smolka	17,337 15,913	Samuel C. Miller Ralph L. Freelan		7,360	Robert M. Schi		31,196 30,888	
Robert S. Swecker	19,885	Robert G. Mukai		5,110 8,531				
Platon N. Mandros	22,124	George A. Hoya	nec. Jr. 2	8,223	Patrick C. Kear		25,423	
Benton S. Duffen, Jr	22,030	James A. LaBarr		3,632	Bruce J. Boggs.		32,858 32,3 44	
Joseph R. Magnone	24,239	E. Joseph Gess		3.510	William H. Ben		25,952	
Norman H. Stepno	22,716	R. Danny Huntin		7,903	Peter K. Skiff		31,917	
Ronald L. Grudziecki	24,970	Eric H. Weisblat	i 30	505	Richard J. McG		29,195	
Frederick G. Michaud, Jr. Alan E. Kopecki	26,003	James W. Peterso		5 ,0 57	Matthew L. Sch		32,814	
Regis E. Slutter	25,813 26,999	Teresa Stanek Re		,427	Michael G. Sav		32,596	
Trogis Z. Oldilei	20,979	Robert E. Krebs	2;	5,885	Gerald F. Swiss		30,113	
					Charles F. Wiel	and III	33.096	
and:					-			
Address all correspondence to: Charles F. Wicland III BURNS, DOANE, SWECKER & MATHIS, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404 Address all telephone calls to: Charles F. Wieland III at (703) 836-6620. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.								
	231 INVENTOR		SIGNATURE	20	ā>	DATE		
Kyung-jin Lee		Walle		1///		7 January	2002	
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Tack-dong Lee			J.G.VATOLO	Thek &	of he	7 January	2002	
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In-seon Lee		·•	J.C. WI UKE	كذمرا	0.~			
RESIDENCE			<u> </u>	~~~~7	~~ ·	7 January	2002	
	was.			- 1	CITIZENSHIP			
Seoul, Rep. of Korea Korean								
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Seoul, Rep. of Ko	rea	•			July An			

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE				
Min-sik Hwang	SIGNATURE DAYS	y.	7 January 2002				
RESIDENCE	L	CITIZENSHIP	7 Sandary 2002				
Jeonju-city, Jeollabuk-do, Rep. of Korea		Korean					
		a Mancan-di	·				
Jeonju-city, Jeollabuk-do, Rep. of Korea FULL NAME OF FIFTH JOINT INVENTOR, IF ANY SIGNATURE JOST OFFICE ADDRESS 102-904 Bisabul Apt., 762-1 Seoshin-dong, Wansan-gu Jeonju-city, Jeollabuk-do, Rep. of Korea FULL NAME OF FIFTH JOINT INVENTOR, IF ANY SIGNATURE DATE							
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	SIGNATURE	·	DATE				
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FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE				
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FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE				
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FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE				
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full name of ninth joint inventor, if any	SIGNATURE		DATE				
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FULL NAME OF TENTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE				
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full name of eleventh joint inventor, if any	SIGNATURE		DATE				
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FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE				
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